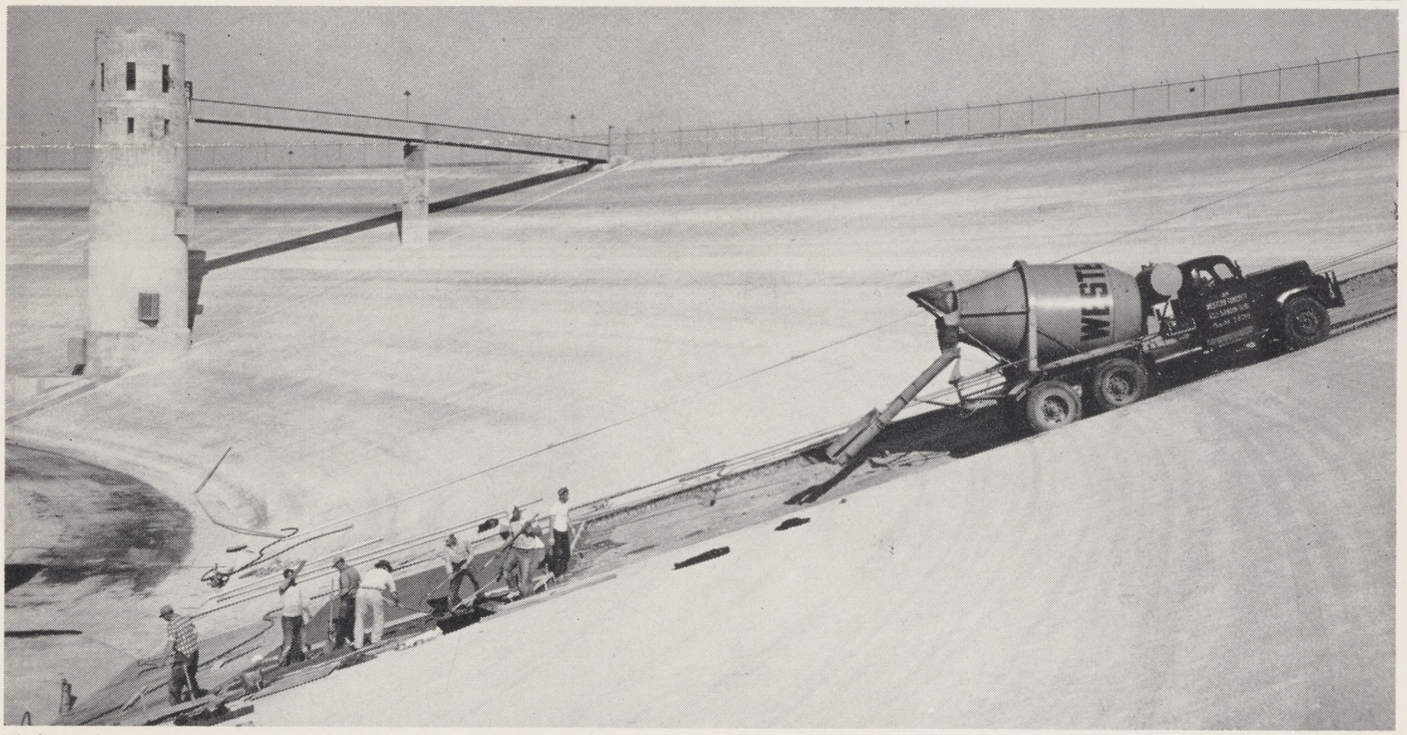
• COLORADO RIVER •

AQUEDUCT NEWS

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

VOLUME XXV JANUARY, 1958 NUMBER 1



Workmen in picture above are placing concrete in the inlet spillway to Garvey Reservoir. This spillway provides relief for the newly-constructed La Verne to Garvey section of the Middle Feeder. This spillway construction will complete the second feeder line from the F. E. Weymouth Softening and Filtration Plant to the Los Angeles Metropolitan area. This work is part off the District's $200 million expansion program.

District Board Recommends Study On Eel River Project

Three recommendations designed to help solve some of the major phases of California's vital water problems have been made to Governor Goodwin J. Knight by the Metropolitan Water District of Southern California, it was revealed this month by District Board Chairman Joseph Jensen.

The three points called for by the District include (1) a request that Governor Knight call a special session of the Legislature following the March budget session, and devoted exclusively to the problem of water rights and a Constitutional Amendment to establish and preserve those rights; (2) a request that a special item be included in the budget to cover the cost of engineering studies of a possible project to bring water from the Eel River down the coast via a crossing at the Carquinez Straits as the next possible project needed after the Feather River Project; and (3) approval by the District of $52,900,000 of the $76,900,000 in the 1958-59 budget requested by the State Department of Water Resources for the Feather River Project. Budget items supported by the District Board included the job of relocating the utilities at the Oroville damsite.

"The Metropolitan Water District Board of Directors feels that these recommendations, if adopted by the Governor, would constitute a major step forward in finding the solution to many of the vexing problems confronting the State," Mr. Jensen declared.

Recommendations made to the Gov-

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House Committee Hears District Views on San Luis

Warren W. Butler, Vice Chairman of the Metropolitan Water District Board of Directors, appeared before a House Subcommittee on January 17 to present the District's views in regard to legislation on the San Luis Project, now pending in Congress. The hearings were being held by the Subcommittee on Irrigation and Reclamation of the Committee on Interior and Insular Affairs.

Several Bills pertaining to this project have been introduced in Congress. H.R. 6035, introduced by Representative B. F. Sisk of Fresno, provides for Federal construction and operation of the Project as part of the Central Valley Project and later integration with the State

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THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA
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District Calls For Bids On $18,000,000 Bond Issue

The Metropolitan Water District of Southern California on January 14 invited bids on $18,000,000 in Waterworks Bonds, Series Two. The revenues derived from the bond sale will be used in connection with the District's $200 million expansion program of the Colorado River Aqueduct and its distribution system, according to District Controller Albert W. McKinlay.

Sealed bids will be received by the District at its Los Angeles office up to 11:00 a.m., Pacific Standard Time, February 11, 1958, at which time they will be opened by the Board of Directors, Mr. McKinlay said.

The $18 million issue will consist of 18,000 coupon bonds in the denomination of $1000 each, dated March 1, 1958. They will mature in consecutive numerical order in the amount of $1,500,000 on March 1 of each of the years 1959 to 1970, inclusive.

Mr. McKinlay pointed out that this is the second issue of such short-term bonds to be sold by the Metropolitan Water District under the provisions of Proposition "W" which was approved by the voters at the June 5, 1956 election. The first issue, in the amount of $15 million, was sold in July, 1957 to the Harris Trust and Savings Bank, Chicago, and Bankers Trust Company, joint managers and associates, at interest rates of 3 percent and 3¼ percent.

"The funds from the sale of these two bond issues and from future issues of a similar nature will be used to accelerate the District's $200 million expansion program to bring the Colorado River Aqueduct and its distribution system to their full, ultimate capacity of more than one billion gallons of Colorado River water a day for Southern California," Mr. McKinlay declared.

The interest and the principal of the bonds will be payable primarily from income derived from charges which will be paid into the District treasury during the next 25 to 30 years. Because of these anticipated revenues, no increase in taxes for the financing of these bonds is contemplated, Controller McKinlay said.

Eel River Project

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ernor by the District Board of Directors were submitted in two letters. One of the letters recommended that the Governor call a special session of the Legislature devoted entirely to a Constitutional Amendment on water rights.

In the second letter, Mr. Jensen stated, in part:

"Our Board, on recommendation of its Water Problem Committee made after thorough consideration, voted to support Mr. Banks' (Harvey O. Banks, Director of the State Department of Water Resources) request for money to complete the relocation of the railroad and highway facilities, and the purchase of land for the Oroville Dam and Reservoir . . .

"We do not need to remind you, I am sure, Governor, that, including the proposed 1958-59 items, our people in Southern California have supported appropriations totalling about $87 million to advance the Feather River Project—and still we have no Constitutional Amendment, nor any assurance that it will be forthcoming.

"In the light of these facts, our Board is unwilling to approve proposed appropriations for right-of-way or construction on the Feather River Project under the items for Upper Feather River Development, North Bay Aqueduct, South Bay Aqueduct, and the San Joaquin Aqueduct."

Of the $76,900,000 Feather River budget recommended by Mr. Banks, the District Board approved items totaling $52,900,000.

In urging an Eel River coastal project study, the District letter stated, in part:

"As District representatives have stated at one or more legislative committee hearings on the general subject of financing State water projects, we do approve money for engineering studies, for what has been generally termed the next project needed after the Feather River Project," the District Board letter stated. "Mr. Banks, or his representatives, have said at committee hearings that they are looking over the Eel River as the next possible project and, as we understand, the State is engaged in engineering studies on the Eel. We are, therefore, making a special request that

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For the RECORD

(The following items are noted from the report of General Manager and Chief Engineer Robert B. Diemer, filed January, 1958 covering District operations for December, 1957).

Colorado River—The water surface of Lake Mead dropped 4.17 feet in elevation to 1177.55 feet above sea level and usable storage decreased to 20,853,000 acre-feet at the end of December. This is 43.85 feet and 6,344,000 acre-feet below the crest of the Lake Mead spillway. Discharge at Hoover Dam during December averaged 17,550 cubic feet per second as compared with 15,980 in November.

Pumping and Power—Hayfield pumping plant delivered only 28,216 acre-feet of Colorado River water in December as compared with 53,355 acre-feet in November. Pumping operations at Hayfield varied between a five-pump and a two-pump basis. The District's power system was continously in parallel with the Parker-Davis system and Hoover power plant. The District's share of Parker energy was 32,238,808 kwhrs. Peak deliveries to and from Edison Company were 132,000 kw and 100,000 kw, respectively. Edison interchange energy delivered to the District totaled 8,366,400 kwhrs.

Weymouth Softening and Filtration Plant—Colorado River water was softened from 363 to 126 ppm of hardness at an average rate of 159 cfs during December. Daily rate of flow varied from 108 to 248 cfs. A total of 9580 acre-feet of water was treated during the month.

Construction — Construction work on the distribution system progressed as follows: Schedules 56SC and 57SC (Middle Feeder) contract is 99 percent complete; Schedules 58SC and 59SC (Middle Feeder) contract is 98 percent complete; 59A-P (Middle Feeder) contract is 99 percent complete; Schedule 62P (Culver City Lateral) contract is 29 percent complete; Schedules 63 and 64P (Culver City Lateral) contract is 67 percent complete.

Pumping Plant Expansion—On installation of Pumping Unit 6 the contract is 84 percent complete. The contract on Pump Delivery Line No. 3 is 28 percent complete.

Siphon work on the main aqueduct—Earp to Whitewater—Contracts No. 669 and 672 are 36 percent and 13 percent complete, respectively.

Purchasing — Total expenditures of $155,775 covered 350 purchase orders and 2 agreements.

Ground Broken For Work On Second San Diego Aqueduct

Ground-breaking ceremonies marking the beginning of construction work on the Second San Diego Aqueduct were held on January 10 at a point on the aqueduct right-of-way three miles east of Fallbrook on the north side of the San Luis Rey River.

Fred A. Heilbron, Chairman of the San Diego County Water Authority and Secretary of the District Board, turned the first shovel of earth and called for Southern California unity that would guarantee water for a future third aqueduct for San Diego County.

District General Manager and Chief Engineer Robert B. Diemer emphasized the need for cooperation and told the approximately 200 people present that no water from the northern part of the state would be forthcoming for Southern California without unity.

Mr. Heilbron said that importation of Colorado River water had marked a turning point in the development of San Diego County.

"When we first talked about water from the Colorado River, people told us it was like hoping to find the pot of gold at the end of the rainbow," he said.

"But we would have dried up in 1949 if we had not already joined the Metropolitan Water District to bring in that water. When we joined the District our assessed valuation was $250 million. It is now more than one billion dollars. We found that pot of gold," Mr. Heilbron declared.

Mr. Diemer outlined the new construction work being pushed forward to keep a full water supply flowing into the San Diego Authority areas.

"The Metropolitan Water District has approved the building of the northern portion of the Second San Diego Aqueduct to a point about six miles inside the San Diego county line, Mr. Diemer stated. "A contract for the construction of the first 12 miles of this new line was awarded by the District in December.

"At the same time by a major construction program the main aqueduct system from the Colorado River to the west portal of the San Jacinto tunnel is being enlarged to its full ultimate delivery capacity of more than one billion gallons of water a day. This will bring a large additional supply of Colorado River water which San Diego Authority people will share with all their neighbors and partners in the Metropolitan Water District."

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Water officials are shown as they prepare to take part in ground breaking ceremonies marking the beginning of construction work on the Second San Diego Aqueduct. Left to right, front row, are Robert B. Diemer, Metropolitan Water District General Manager and Chief Engineer; Hans H. Doe, a member of the San Diego Authority Board of Directors; Fred A. Heilbron, Chairman of the Authority Board and Secretary of the M.W.D. Board; and Ransom W. Chase, a Los Angeles Director on the M.W.D. Board. Top row, left to right, are Charles C. Cooper, Jr., M.W.D. General Counsel; Richard S. Holmgren, General Manager and Chief Engineer of the Authority and a member of the M.W.D. Board; and W. Ray Coyle, a member of the Authority Board of Directors.

District Views on San Luis

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Feather River Project. H.R. 2452, introduced by Representative Craig Homer of Long Beach, has as one of its basic principles ownership and operation of the San Luis Dam and Reservoir by the State of California. H.R. 2521, introduced by Representative James B. Utt of Santa Ana, is similar to the Hosmer Bill.

Still another bill, introduced by Representative Harlan Hagen of Hanford, at the time the Subcommittee hearings started, also contemplates State ownership and operation of the San Luis unit. In general principles it is reported to be in agreement with the Hosmer Bill.

At its meeting on January 14, the Metropolitan Water District Board of Directors by official action "approved the approach embodied in the Hosmer Bill to the enactment of Congressional legislation relating to the San Luis Project and, to the extent consistent therewith, the general principles which are outlined in the Kern County Farm Bureau Concept." This Board action was conveyed to the Subcommittee by Mr. Butler. District representatives have pointed out that there are several provisions in the Hagen Bill which require further study.

In testifying on the Sisk Bill, as it was submitted to Congress, Mr. Butler made the following statement:

"Careful consideration has been given to H.R. 6035 (Sisk Bill) by the Board of Directors of The Metropolitan Water District of Southern California and I am authorized to submit the following

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On hand to witness the start of work on the Second San Diego Aqueduct were, left to right, Ransom W. Chase, a Los Angeles Director on the Metropolitan Water District Board; H. J. (Hank) Mills, M. W. D. Construction Engineer; W. F. (Mac) McCleary, M. W. D. Superintendent of Aqueduct Maintenance; Hugo W. Anderson and J. E. Young of the Young and Anderson Company, contractors on the first section of the aqueduct; Robert B. Diemer, M. W. D. General Manager and Chief Engineer; John D. McCoy, San Diego County Water Authority Construction Engineer; Robert A. Skinner, M. W. D. Assistant Chief Engineer; Charles C. Cooper, Jr., M. W. D. General Counsel; and Don J. Kinsey, M. W. D. Assistant to the General Manager. The Northern portion of the new line will be built by the M.W.D.

Second San Diego Aqueduct

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Mr. Diemer pointed out that the District is planning to increase the capacity of Lake Mathews, the District's terminal reservoir, which will give an additional guarantee that Colorado River water supplies will be available to all parts of the Metropolitan Water District.

Richard S. Holmgren, General Manager and Chief Engineer of the San Diego County Water Authority and a member of the Metropolitan Water District Board of Directors, stated that the work begun this month was on the first of several contracts to be awarded for the job. He said the first water deliveries in the County through the new line will be made in the summer of 1959, when construction will have reached the San Dieguito River below Lake Hodges.

Eel River Project

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you include an item in the budget to cover the cost of engineering studies of a possible project to bring water from the Eel River down the coast via a crossing at the Carquinez Straits, bypassing the Delta, thus making an additional supply of water available not only for the Eel River Drainage area but for the Northern, Central and Southern California coastal areas, as well. It is urged that the State report on these studies be completed by July 1, 1959."

District Views on San Luis

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statement presenting the views of the Board with regard to this proposed legislation.

"First of all, we believe that any final Congressional authorization of the San Luis Project should, in the highest interests of all prospective users of Feather River or any other State project water, follow and not precede the negotiation of a contract between the State of California and the U.S. Department of the Interior, such contract to set forth the terms and conditions of construction, financing, operation, and integrated use of the reservoir facilities.

"However, in view of the fact that H.R. 6035 is a bill to authorize the Secretary of the Interior to construct the San Luis Unit of the Central Valley Project, California, to enter into an agreement with the State of California with respect to the construction and operation of such unit, and for other purpose, it is desired to place before your Committee the following comments concerning the provisions of this bill:

"Facilities of the San Luis Dam, Reservoir and Canal should be constructed, maintained and operated as integral parts of the State Feather River Project and not as an integral part of the Central Valley Project.

"Each facility of the San Luis Dam, Reservoir and Canal, as soon as constructed, should be operated and maintained by the State of California and not by the Secretary of the Interior.

"All interest and control of the United States in any facilities of the San Luis Dam, Reservoir and Canal constructed by the United States should cease and title to all such works should be conveyed to the State upon repayment of the reimbursable costs to the United States.

"If the State of California and the U.S. Department of the Interior fail to agree on a contract setting forth terms and conditions for the construction and operation of the San Luis Dam, Reservoir and Canal, the Federal Government should not be authorized to construct these facilities without express approval of the California State Legislature.

"The San Luis Dam and Reservoir should be constructed initially to their full ultimate capacity of 2,100,000 acre-feet and the cost of construction should be prorated between the Federal Government and the State. This would result in lower costs, both to the Government and to the State.

"No provision should be made, either directly or indirectly, that would permit users of water within the San Luis Service Area to have any priority in right to the delivery or storage of water made available by the facilities of the San Luis Dam, Reservoir and Canal over any other users of water served by the State's Feather River Project."

NEWS FROM FIELD AND OFFICE

Paulette Adams has been chosen "Miss Coachella Valley" in the Queen Scheherazade contest for this year's Riverside County Fair and National Date Festival. Selection will be made February 8. Paulette is a Junior in the Coachella Valley Union High School. She is the daughter of Ralph and Evelyn Adams. Ralph is Station Chief at Hayfield.

* * *

Mr. and Mrs. Harry Hedrick became grandparents for the third time when their daughter, Mrs. Barbara Wands, gave birth to a baby boy on December 17. He weighed 6 pounds, 6 ounces and has been named William Dean. Harry is an Inspector at Gene Village.

Bill and "Pat" Boaldin welcomed their second child on January 24 in the Indio Casita Hospital. The young man weighed 5 pounds, 13 ounces and has been named James Luther. He will be a good companion for his one-year-old sister, Jeri Ann. Bill is a Utility Man at Hayfield Pumping Plant.

* * *

The M.W.D. Federal Credit Union declared a 6 per cent dividend for the past year. The announcement of the dividend was made at a meeting in the Los Angeles office on January 17. The dividend will be added to each account in the Credit Union which now has 268 members. Last year a 4 per cent dividend was declared.

Senior Photographer-Blueprinter Anthony (Tony) Lugo became a proud grandfather for the first time on January 29 when a baby boy was born to Tony's son, Anthony, and his wife, Rosalie. The young man arrived at the David Freeman Hospital in Inglewood weighing 6 pounds, 6 ounces, and has been named Michael Anthony.

* * *

Ruth Manney, Stenographer, and William Bowlby, Junior Engineer, are both back on the job after recovering from illnesses. Ruth was the victim of virus pneumonia for several weeks and Bill underwent abdominal surgery which put him out of commission for some time.

A large number of present and former members of the Board of Directors of the San Diego County Water Authority attended ceremonies on January 10 celebrating the beginning of construction work on the Second San Diego Aqueduct. Shown above, left to right are: front row, Director W. Ray Coyle, Board Vice Chairman; former Director Garland L. Gray; Directors R. E. Badger, Lloyd M. Mitchell, David R. Shepardson, Fred A. Heilbron, Board Chairman; Franz R. Sachse, Admiral G. R. Henderson and George Kerrigan. Second row, Directors Arthur C. Wells, Charles G. Kerch, Paul Beermann and R. M. Levy. Third row, Directors General W. W. Rogers, Ralph E. Barger, Hans H. Doe, Board Secretary; Robert A. Weese, Herbert H. Carter, Jack E. McLean; and former Directors Delavan J. Dickson and O. P. (Bill) Heald. Fourth row, former Director D. M. Bakewell; and Directors W. B. Dennis and Charles A. Crytser.

NEWS FROM FIELD AND OFFICE

Agnes Dunning—25 Years of Service

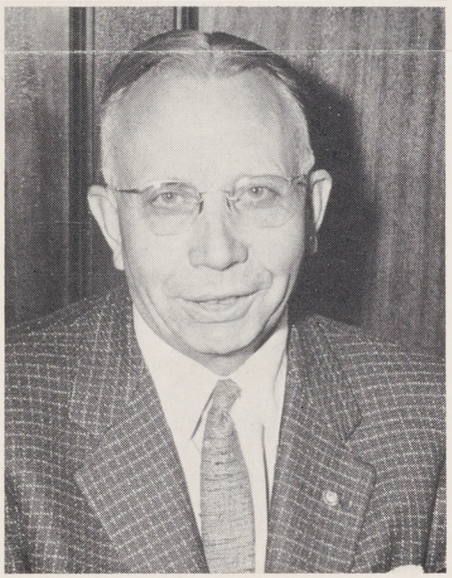
Agnes Dunning became eligible for her 25 year service pin on January 16, 1958. She was first employed as Junior Stenographer on January 16, 1933 and has been continuously employed since that date. When Mr. Diemer was transferred to the Los Angeles office in September 1934, to take charge of the design and construction of the Distribution System, Miss Dunning became his Secretary and has continued in this assignment to the present time. From 1934 to 1941 she assisted with office work in connection with the construction of the Distribution System, and from 1941 to 1952 she was engaged in the duties of her office in connection with the Operation and Maintenance of the Aqueduct. Since January 1952 she has performed loyally and efficiently as Secretary to the General Manager and Chief Engineer, among whose duties are the examination of all District requisitions and vouchers requiring the General Manager's approval.

* * *

Lars E. Christiansen became eligible for his 25-year service pin on January 12, 1958. He was first employed as Chainman on aqueduct surveys on January 12, 1933, later becoming an Instrumentman. From 1935 to 1941 he worked as Inspector on the construction of tunnels on both the main aqueduct and distribution system. When District water deliveries started in 1941, Lars was made a Patrolman, advancing to Division Foreman, General Foreman, and then to his present status of Superintendent, Aqueduct Maintenance, in 1951. In this capacity, he is in immediate charge of field operation and maintenance work in most of Los Angeles County. With an average crew of 20 men Lars is responsible for the operation and maintenance of about 150 miles of Feeder lines and also Morris Reservoir, Garvey Reservoir, and Palos Verdes Reservoir.

* * *

Owen L. Crawley became eligible for his 25-year service pin on January 12, 1958. He first started to work for the District on October 1, 1931 on main aqueduct construction. Except for two short absences he has worked for the District since that time in various capacities. Until 1941 he worked as Carpenter, Mechanic and Electrician on both main aqueduct and distribution system facilities. When the District began delivering water in 1941 he was made a Patrolman on the distribution system advancing to Division Patrolman, and then Division Foreman, the position he now holds. In his present capacity Owen is in immediate charge of field operation and maintenance work in Orange County, and also on the Orange County feeder in Los Angeles County. With an average crew of 6 men he is responsible for the operation and maintenance of about 50 miles of feeder lines and also the Orange County and Corona del Mar Reservoirs.



Lars E. Christiansen—25 Years of Service

Estelle A. McGee—25 Years of Service

Estelle A. McGee became eligible for her 25-year service pin on December 30, 1957. Miss McGee started to work for the District on December 30, 1932, as a Typist in the Purchasing Division. In April 1942 she was promoted to General Clerk and served in this capacity until July 16, 1951 when she was named to her present position of Assistant Purchasing Agent. Miss McGee has served as a very competent buyer, and is exceptionally well liked by everyone she has occasion to contact regarding the procurement of District supplies. She is to be commended for the excellent service which she has rendered the District during the past 25 years.

Owen L. Crawley—25 Years of Service